

We Claim:

1. A system for enforcement of parking regulations with respect to vehicles situated in a metered zone, said system comprising:

a meter comprising a wireless monitoring device for monitoring conditions within a defined space and a transceiver for receiving signals from a vehicle pertaining to information defining said vehicle, said meter being operatively configured to determine violations of a legal requirement with respect to vehicles in the metered zone;

a vehicle control system mounted in a vehicle operatively configured to generate a signal defining information associated with said vehicle;

a device capable of automatically issuing a summons to a vehicle that has been situated in the metered zone and which has violated a legal requirement with respect to vehicles in the metered zone based on input from said meter and from said vehicle control system.

2. The method system of claim 1, wherein the vehicle is selected from the group consisting of: an automobile, a truck, a bus, tractor, crane, a 2- or 3-wheel conveyance.

3. The system of claim 1, wherein the condition monitored is the presence of a vehicle in the metered zone.

4. The system of claim 2, wherein the signal generated by the vehicle control system is generated in the form of:

Radio frequency;

WLAN IEEE 802.11x & 802.16x standards;

Blue tooth means; and

Infrared means.

5. The system of claim 1, wherein the wireless monitoring device comprises at least one surveillance camera.

6. The method according to claim 1, wherein the information defining said vehicle includes at least one of:

vehicle identification number;

vehicle registration information;

pollution emission information; and

past violation summons information

7. The system according to claim 1, wherein the system further includes means for the meter to transmit a meter unique identifier to the vehicle control system.

8. The method according to claim 1, wherein the meter further comprises a means to transmit information from the meter to the vehicle control system, such information informs the operator of the vehicle that the vehicle is stationary/parked/idling in a metered zone.

9. The system according to claim 1, wherein the system further comprises in the meter:

a time-lapse recorder with sufficient amount of recording disk space;

a shock/vibration/sound/impact sensor.

10. The system according to claim 6, wherein a plurality of surveillance cameras are mounted facing in all four directions.

11. The system of claim 1, wherein the wireless monitoring device detects at least one of:

a vibration; or

a sound.

12. The system of claim 1, wherein the wireless monitoring device detects at least one of:

a shock; or

a collision.

13. The system of claim 1, wherein the wireless monitoring device monitors the volume and flow of traffic to help co-ordinate traffic light sequencing for facilitating optimum traffic movement.

14. A system for monitoring pollution produced by an identified idling vehicle, said system comprising:

a meter comprising a wireless monitoring device for monitoring emission from a vehicle, said meter being operatively configured to determine violations of a legal requirement with respect to vehicles in the metered zone;

a vehicle control system mounted in a vehicle operatively configured to generate a signal defining information associated with said vehicle;

a device capable of automatically issuing a summons to a vehicle that has been situated in the metered zone and which has violated a legal requirement with respect to vehicles in the metered zone based on input from said meter and from said vehicle control system.

15. A system for reducing the utilization of human resources in the issuance of summons, said system comprising:

a meter comprising a wireless monitoring device for monitoring conditions within a defined space and a transceiver for receiving signals from a vehicle pertaining to information defining said vehicle, said meter being operatively configured to determine violations of a legal requirement with respect to vehicles in the metered zone;

a vehicle control system mounted in a vehicle operatively configured to generate a signal defining information associated with said vehicle;

a device capable of automatically issuing a summons to a vehicle that has been situated in the metered zone and which has violated a legal requirement with respect to vehicles in the metered zone based on input from said meter and from said vehicle control system.

16. A method for reducing the utilization of human resources and operation costs associated with the issuance of summons, said method comprising:

installing a system in a parking meter; said system comprising a device comprising a wireless monitoring device for monitoring conditions within a defined space and a transceiver for receiving signals from a vehicle pertaining to information defining said vehicle, said meter being operatively configured to determine violations of a legal requirement with respect to vehicles in the metered zone;

providing a vehicle control system to a vehicle operatively configured to generate a signal defining information associated with said vehicle; and

installing a device capable of automatically issuing a summons to a vehicle that has been situated in the metered zone and which has violated a legal requirement with respect to vehicles in the metered zone based on input from said meter and from said vehicle control system.